

Abstract of the Invention

A beam on demand antenna system and method for automatically allocating amplifiers and antennas to various sectors of a wireless communication system to meet the capacity demands of the sectors. The transmission power levels of equipment assigned to the sectors are monitored by a controller which switches equipment amongst the various sectors such that the sectors operate at or below a power threshold established by the system provider of the communication system or by the manufacturer of the antenna system.

[illegible]